



2014 Assessment and Accountability Information Meeting

Technology and Data Readiness

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Educational Data Management Division**



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Overview

- Technology Readiness
 - Requirements
 - Network Bandwidth
- Data Readiness
 - California Longitudinal Pupil Achievement Data System (CALPADS)
 - Student Test Registration
 - Test Operations Management System (TOMS)



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Technology Readiness

- Requirements are unchanged from the Field Test
- What's needed?
 - Computing devices and accessories
 - Network bandwidth (internal and Internet)
 - Technical support and training
 - Facilities (i.e., space, electrical power, etc.)



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Technology Requirements

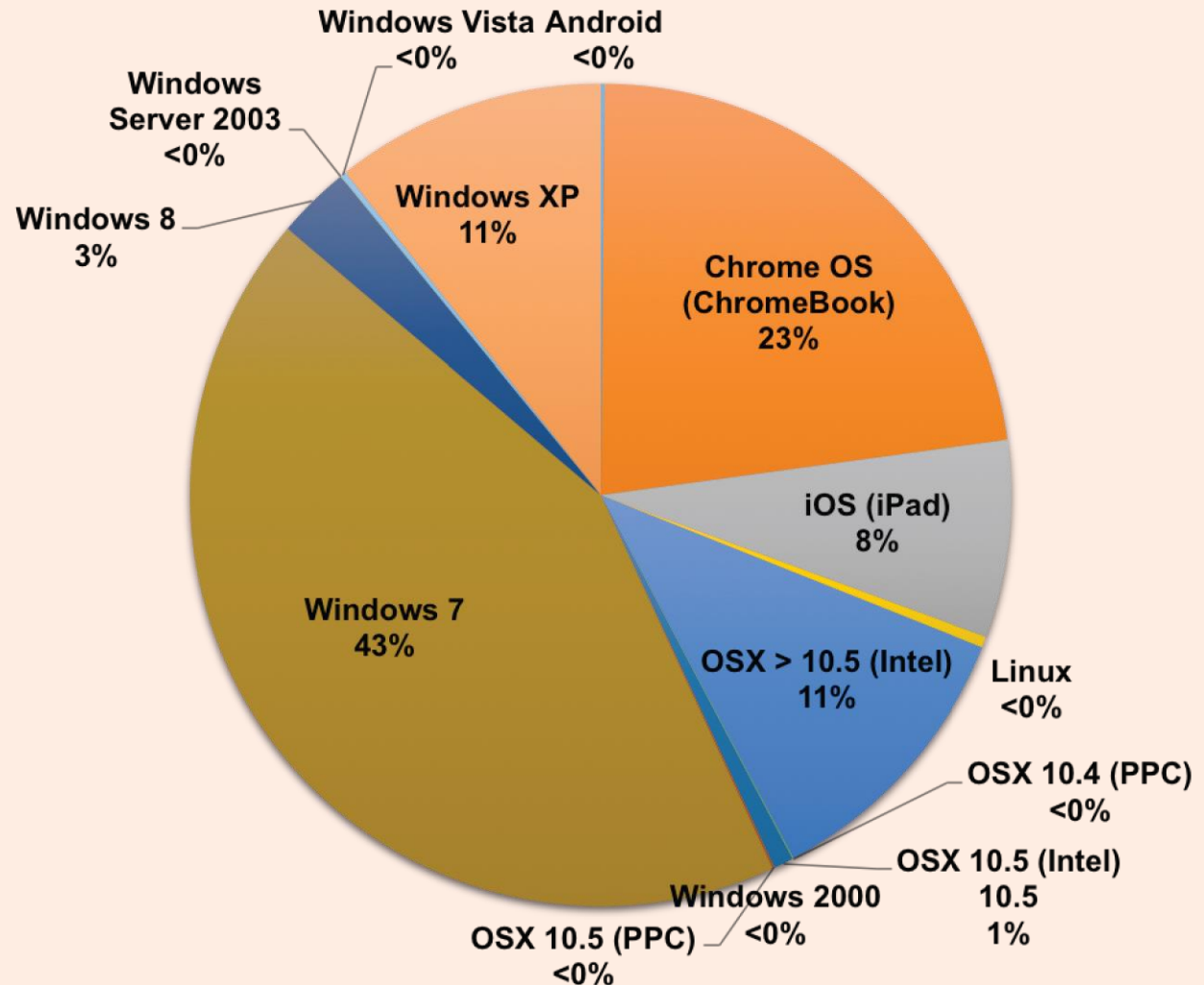
Universal Requirements	
Screen	Display must measure a minimum 9.5 inches diagonal (sometimes described as “10-inch class”). Resolution must be a minimum of 1024×768.
Headphones / Earphones	Headphones or earphones must be available to students for use during the English-language arts test and for students who require text-to-speech features on the mathematics test.
Keyboard	A physical keyboard is required to avoid consuming screen space that must be available for test content.
Pointing Device	A pointing device must be included. This may be a mouse, touch screen, touchpad, or other pointing device with which the student is familiar.
Network	Must be connected to the Internet with a minimum of 20Kbps available per student to be tested simultaneously.
Security	It must be possible to secure the device so that the student does not have access to unauthorized Web sites or applications. This is accomplished through the use of an approved secure browser.

Source: Smarter Balance Test-Taking Devices and Approved Secure Browsers Web page
<http://www.smarterbalanced.org/test-taking-devices-approved-secure-browsers/>



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2014 Smarter Balanced Field Test California Operating Systems





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Smarter Balanced Technology Strategy Framework and Testing Device Requirements

Operating System	Operating System Version	Secure Browser
Windows*	XP SP3, Vista, 7, 8, 8.1 (XP not supported after 2015–16)	Windows Secure Browser as released prior to school start
Mac OS X with PowerPC	10.4.4, 10.5 (Not supported after 2014–15)	Mac Secure Browser as released prior to school start
Mac OS X with Intel	10.5, 10.6, 10.7, 10.8, 10.9	Mac Secure Browser as released prior to school start
Linux	Fedora 6 (K12LTSP 4.2) Ubuntu 9-12	Linux Secure Browser as released prior to school start
iOS	iOS 6 to iOS 7.1 (iOS 8 in testing)	iOS Secure Browser as released prior to school start
Android	Please see http://www.smarterbalanced.org for the current set of approved secure browsers and the devices for which they are approved.	Android Secure Browser as released prior to school start
Chrome OS	Chrome OS (v31-v34)	Chrome Secure Browser as released prior to school start

Operating system support is current as of August 2014. Please see <http://www.smarterbalanced.org> for the current set of certified secure browsers and the devices for which they are approved.

* Microsoft Windows tablets are subject to the same requirements as other Windows devices such as laptops and desktops.



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Student System Requirements

Network Bandwidth

- Minimum of 20Kbps available for each student connected to system
- Network activity may spike at startup to download updated client-side code
- More devices may require more internal network hardware (e.g., wireless access points, access layer switches)
- More Internet bandwidth may be required from school to district, and/or district to county office
- Network Bandwidth Checker available on the California Assessment of Student Performance and Progress Web site at <http://caaspp.org/>



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Student System Requirements – Secure Browser

- Smarter Balanced Secure Browser software application installed on each student's computing device
- Updated version released at the beginning of each school year
- Operational version scheduled to be available late October 2014



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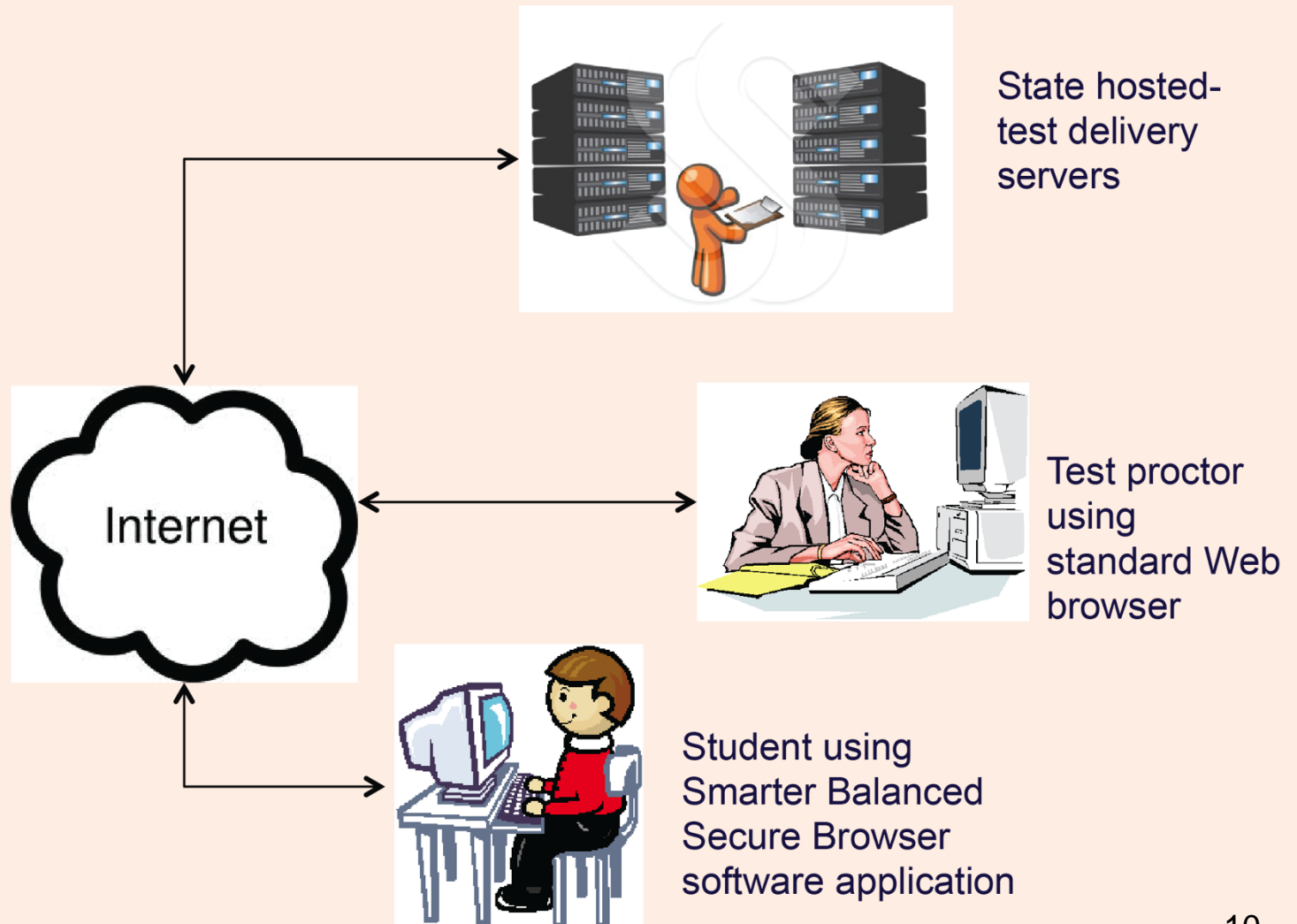
Student System Requirements – Secure Browser (Cont.)

- Can be used to access Practice Test
 - Launch secure browser, select Training Test link
 - Required for text-to-speech and Braille
- Ensures test security (kiosk mode)
- Checks for list of “prohibited” applications at startup and during process execution



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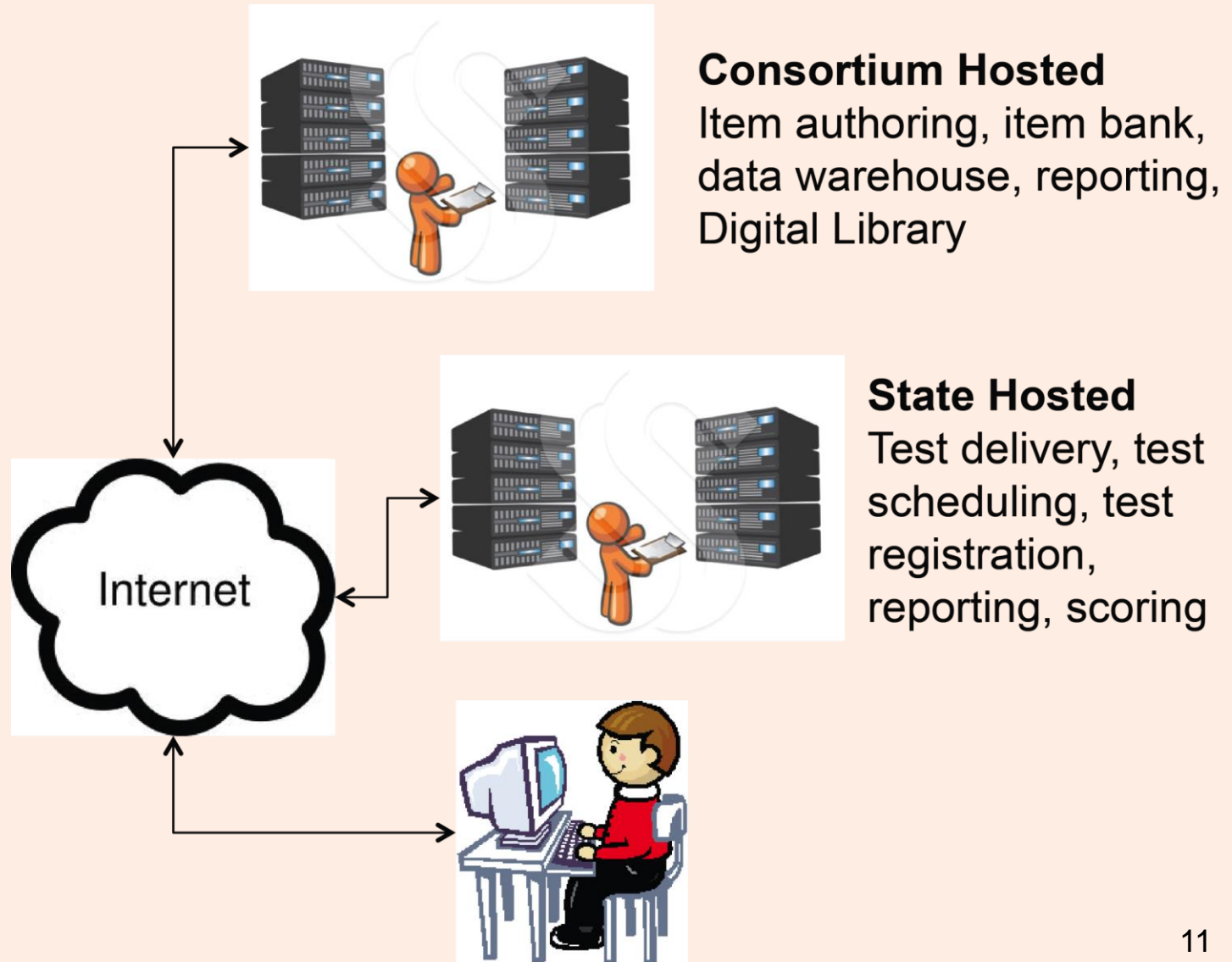
High-level Technology Overview





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Smarter Balanced Server Hosting





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Technology Readiness Resources

*Smarter Balanced Technology Strategy
Framework and System Requirement
Specifications*

http://www.smarterbalanced.org/wordpress/wp-content/uploads/2011/12/Tech_Framework_Device_Requirements_11-1-13.pdf

CDE Technology Readiness Web page
<http://www.cde.ca.gov/293317>



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Data Readiness: CALPADS

- CALPADS is the **sole** source for student enrollment, demographic, and program participation data for the student registration system known as the **Test Operations Management System (TOMS)**.
- Updates to these data must be made in CALPADS. Local educational agencies (LEAs) cannot update student enrollment, demographic, and program participation data in TOMS.
- CALPADS is used for summative and interim assessment test registration
- Allow for up to 48 hours to process data from CALPADS to TOMS.



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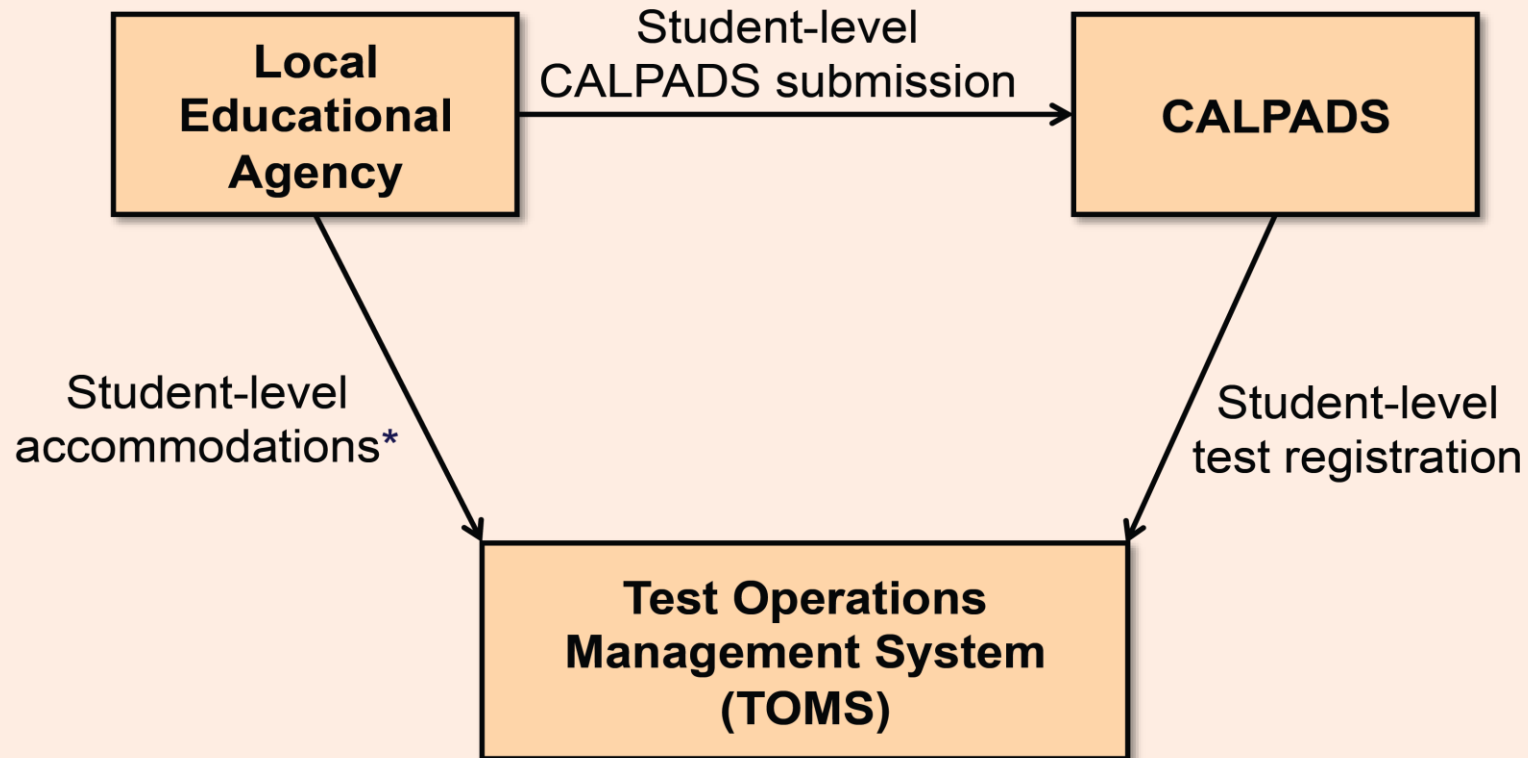
Data Readiness: CALPADS (Cont.)

- Student accommodations and designated supports are **not collected** in CALPADS.
- Student accommodations and supports **cannot** be uploaded by the LEA until CALPADS data are available in TOMS (e.g., new enrollments must be uploaded to TOMS prior to accommodations for the newly enrolled student).



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Student Test Registration



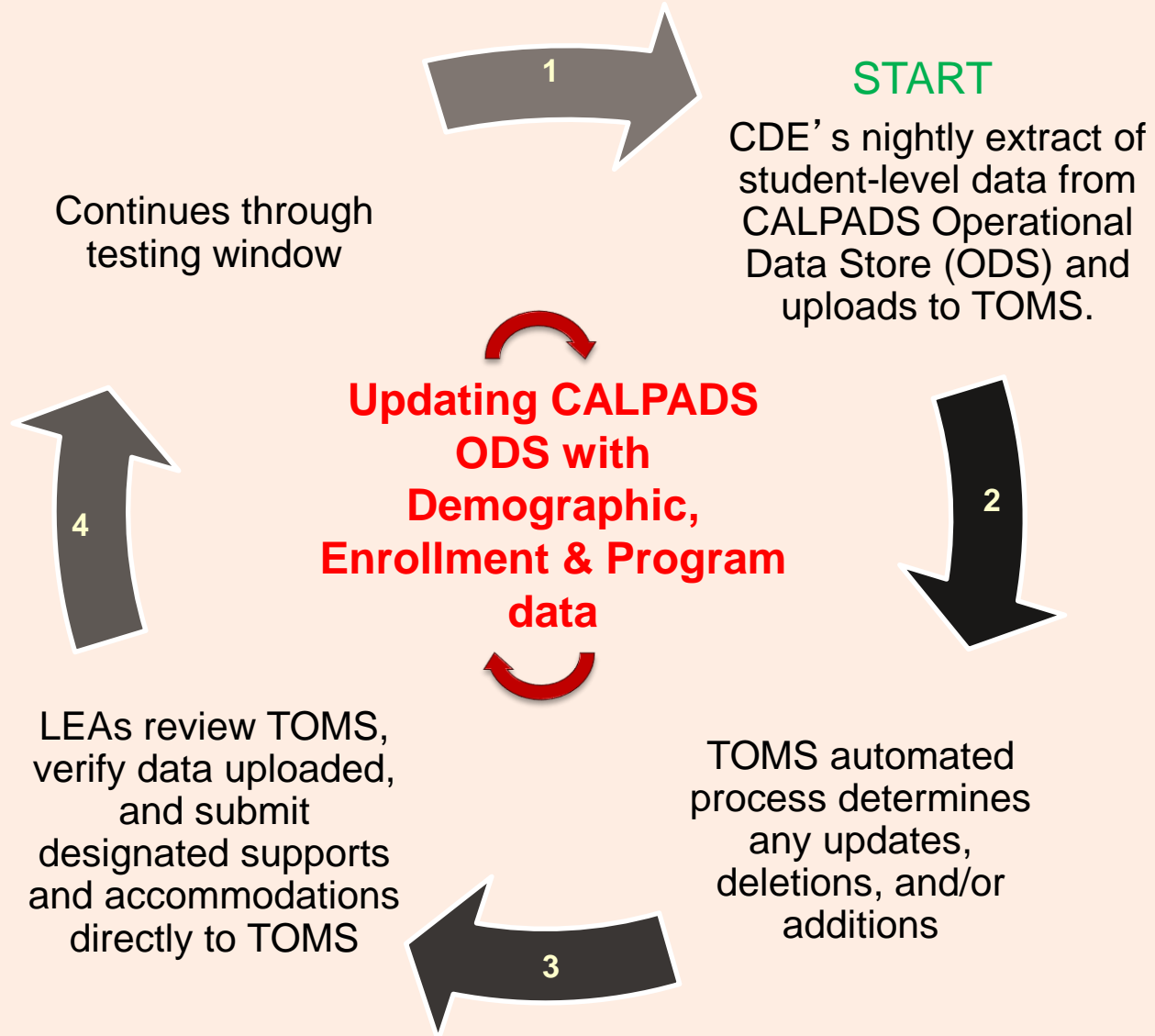
* Reference Smarter Balanced *Usability, Accessibility, and Accommodations Guidelines* (<http://www.cde.ca.gov/292859>)



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CALPADS to TOMS

Data Loading Process





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CALPADS to TOMS (Cont.)

What is CALPADS sending to TOMS?

CALPADS sends all open enrollments with Enrollment Status = 10 or 30, for grades K–12.

- Concurrent Enrollments (CCEs) – the record with the most recent enrollment will be sent to TOMS
- Short Term Enrollments—need to exit students

NOTE: Independently Testing Charters are NOT the same as Independently Reporting Charters in CALPADS. Some charters may be testing differently than the way in which they report to CALPADS.



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TOMS

Test Registration Interface

Program

Organizations

Users

Students

View & Edit

Add

Upload

Edit Reasons

Student Resolution

Test Admins

Orders

Reports

View & Edit Students

> **Students** > **View & Edit Students**

To view and edit students, complete the search criteria below and click the SEARCH button. If you find that your search results are limited, remove some criteria and search again. If you wish to download the results of your search, you must first select a school and a test administration. You may also select additional filters as desired.

Search for Students

First Name

Last Name

SSID

Confirmation Code

Grade

Organization

Aflerbach Elementary [1101027]

DOWNLOAD SEARCH RESULTS

SEARCH

We found 125 entries matching your search criteria.

Results Per Page 20

Users can search for students
and download the results.

18



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TOMS

Test Registration Interface (Cont.)

Students

Add

View & Edit

Upload

Edit Reasons

Records Held

Test Admins

Orders

Billy Williams

Demographics

Test Mode

Test Settings

ID's

State Abbreviation	SSID	Confirmation Code	Smarter Student ID
CA	123-45-6789	123456789123456789	12345678912345678912

Demographics

First Name	Middle Name	Last or Surname
Billy	Dee	Williams



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CALPADS

Contact Information

California Department of Education
CALPADS Operations Office

916-324-6738

calpads@cde.ca.gov

<http://www.cde.ca.gov/ds/sp/cl/>

Service Desk (Operated by the California
School Information System)

916-325-9210

calpads-support@cde.ca.gov

<http://csis.fcmat.org/>